



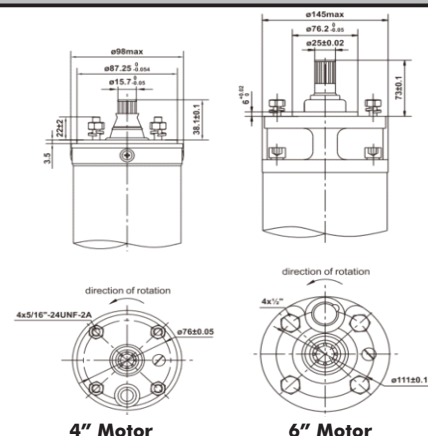
DSDM

Submersible Motor



DSDM4

DSDM6



4" Motor

6" Motor

DAYLIFE DSDM submersible motors are specifically designed to give exceptional reliability and efficiency in all borehole pumping applications. Features include:-

- 4" oil filled type motor with FDA approved colourless oil
- 6" canned type motor with resin filled stator for extended motor life
- Largely stainless steel AISI 304 construction with cast iron top and bottom bearings
- Water lubricated thrust and radial bearings
- Reinforced netted Nylon diaphragm for internal motor pressure compensation
- Thermal overload for motor protection
- Standard NEMA flanges for use with all types of pumps

Protection: IP68

Insulation Class: F

Voltage: 1x220V/240V,50Hz/ 3x380V/415V, 50Hz

OPERATING PARAMETERS

Max Voltage Variation: $\pm 10\%$

Max Starts/Hr: 20

Max Water Temperature: 35°C

Min Water Pass Flow Rate: 0.2m/sec

Max Immersion Depth: 200m-4" and 300m-6"

Installation: Vertical/horizontal with a tilt angle $> 50^\circ$

MOTOR DATA

SINGLE PHASE

Power		In (A)	Istart (A)	Efficiency %	PF CosØ	RPM	Thrust Load (N)	Tail Cable		H (mm)	Weight (Kg)
kW	HP							mm ²	m		
0.37	0.5	3.5	14	57	0.93	2850	1500	0.63	1.3	385.5	7.0
0.55	0.75	5.0	20	60				0.75	1.5	410.5	8.3
0.75	1	5.7	23	63				1.0	1.7	430.5	9.3
1.1	1.5	7.9	32	66				1.3	1.8	475.5	11.3
1.5	2	10.5	42	68				1.5	2.0	535.5	14.5
2.2	3	16.2	65	69				2.0	2.4	625.5	18.6

THREE PHASE

Power		In (A)	Istart (A)	Efficiency (%)	PF (CosØ)	RPM	Thrust Load (N)	Tail Cable		H (mm)	Weight (Kg)
kW	HP							mm ²	m		
2.2	3	6.1	43	71	0.80	2850	1500	1.5	2.4	515.5	16.6
3	4	7.3	51	72	0.81		3000	2.0	2.8	632	18.8
4	5.5	9.5	67	74	0.82		4800	2.5	3.2	736.5	23.4
5.5	7.5	12.2	85	75	0.83					826.5	28.3
7.5	10	14.6	102	76	0.84					916.5	34.0
5.5	7.5	12.2	85	76	0.80		6500	3.0	2.5	732	33.6
7.5	10	17.3	121	76.5	0.81					807	40.7
9.2	12.5	22.3	156	77	0.81					872	48.2
11	15	25.6	179	78	0.82		11000	5.0	3.0	932	55
13	17.5	30	210	78	0.82					982	61.3
15	20	33	230	79	0.83					1062	67.5
18.5	25	44	308	79	0.83			4.0*2	3.5	1077	88.2
22	30	54	378	80	0.84					1152	96.7
26	35	58	406	80	0.84		5.0*2	4.0		1227	105
30	40	62	434	81	0.84					1302	113

MATERIAL SPECIFICATION

Component	Material
Motor shell	304 stainless steel
Sand guard	NBR
Cable connector	4"-EPDM, 6"-XLPE
Upper end bracket cover	4"-304 stainless steel, 6"-Cast Iron
Upper end bracket	Zinc plated cast iron
Mechanical Seal	Graphite/Ceramic
Shaft	4"-304 stainless steel, 6"-AISI 420
Winding	Copper
Lower end bracket	4"-Reinforced Plastic 6"-Cast Iron
Lower end bracket cover	4"-304 stainless steel, 6"-Cast Iron
Diaphragm	NBR